

Accompanying Documents

Accompanying this response are the following documents:

- (1) Declaration of Inventorship, signed by the inventors herein;
- (2) Marked-up copy of the claims, showing the amendments made herein; and
- (3) Currently pending claim set, incorporating the amendments made herein.

AMENDMENT

In the Claims:

Please cancel claims 22-102 as directed to a non-elected invention.

Please amend claim 1 as follows:

1. (Amended) A method for determining the presence of an analyte of interest in a test sample, said method comprising the steps of:

(I) applying the test sample to a test strip to form a sample mixture in a sample reservoir, said test strip comprising

(A) a chromatographic medium;

(B) the sample reservoir disposed on said chromatographic medium for receiving said test sample, said sample reservoir comprising

(i) a first detection reagent comprising

(a) a first detection ligand that selectively binds a first target moiety of said analyte of interest, wherein (i) said first detection ligand is conjugated with a semiconductor nanocrystal which, when exposed to a light of a selected excitation wavelength, emits light of a characteristic emission peak, and (ii) binding of said first detection ligand to said first target moiety forms a detection complex,

(C) a capture reagent immobilized on said chromatographic medium within a capture region which is distinct from said sample reservoir, wherein said

capture reagent comprises a capture ligand that selectively binds said first detection complex to form an immobilized capture complex; and

(D) a control ligand immobilized on said chromatographic medium within a control region distinct from said sample reservoir and said capture region, wherein said control ligand selectively binds said first detection ligand to form an immobilized control complex;

wherein (i) said test strip has first and second ends, said sample reservoir is disposed at said first end, and said capture region is interposed between said sample reservoir and said control region, (ii) said sample mixture comprises said test sample and said first detection reagent, (iii) said sample mixture is transported through said chromatographic medium from said first to said second end, (iv) said first detection ligand binds said first target moiety to form said detection complex, said detection complex is bound by said capture reagent, and said first detection ligand which is not bound to said first target moiety is bound to said control ligand; and

(II) exposing said test strip to said light of a selected excitation wavelength, wherein the emission of light of said characteristic emission peak in both the capture and control regions is indicative of the presence of the analyte in the test sample.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached pages are captioned "Version with markings to show changes made."